2023-2024

QUALITY CONTROL TEST REPORTS

Client: Assistant Executive Engineer, Project Division Yelahanka, BBMP, Bangalore.

Agency: Sri. Shankarappa T K (MESPC Infra Projects Private Limited), Bangalore.

Name of Work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

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QC ABSTRACT

Nameof Work: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

SI. No.	Item	Quantity As Per BOQ	Required No's of testes	Actual No's of testes	Testes Results
1	Material	-	1	1	Pass
2	M15	175.17 Cum	7	7	Pass
3	M20	1099 Cum	7	7	Pass
4	M25	35.03 Cum	5	5	Pass
5	Steel	2.54 Ton	1	1	Pass
6	Kerb	933.00 Nos	1	1	Pass
7	Strainless steel	1392.78 kg	1	1	Pass

Cubes	0-5 Cum	1Set
	6-15 Cum	2Set
	16-30 Cum	3Set
	31-50 Cum	4Set
	Add 1set for extra 50Cum	

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Asst. Executive Engineer
Project Division
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BBMP, Bangalore - 92

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Job No.: CACE/BBMP/STK/QC/2023-24

Date: 22.09.2023

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
AGENCY	:	**Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
NAME OF THE WORK	:	Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
SAMPLE ID	:	Cement (Dalmia OPC 53 Grade)
DATE OF MANUFACTURE	:	August - 2023
DATE OF TESTING	:	20.09.2023 to 22.09.2023
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	340 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

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Date : 22.09.2023

Job No.: CACE/BBMP/STK/QC/2023-24

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of Work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Date of Testing : 22.09.2023

IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	89	8.90	8.90	91.1	90-100
2.36	132	13.20	22.10	77.9	75-100
1.18	185	18.50	40.60	59.4	55-90
600 Micron	152	15.20	55.80	44.2	35-59
300 Micron	220	22.00	77.80	22.2	8-30
150 Micron	146	14.60	92.40	7.6	0-10

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Date : 22.09.2023

Job No.: CACE/BBMP/STK/QC/2023-24

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of Work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Date of Testing : 22.09.2023

Material : Sand - Masonry

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	13	1.30	1.30	98.7	90-100
1.18	38	3.80	5.10	94.9	70-100
600 Micron	89	8.90	14.00	86.0	40-100
300 Micron	244	24.40	38.40	61.6	5-70
150 Micron	520	52.00	90.40	9.6	0-15

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Date : 22.09.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of Work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Date of Testing : 22.09.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	189	3.8	3.8	96.2	95-100
10	2430	48.6	52.4	47.6	25-55
4.75	1965	39.3	91.7	8.3	0-10

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Job No.: CACE/BBMP/STK/QC/2023-24

Date : 26.09.2023

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of Work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Steel Dia/Length : 10mm,12mm,16mm " Fe500 TMT Bars"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test : 26.09.2023

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	10	0.617	549	635	1.16	15
2	TMT	12	0.888	556	648	1.17	16.5
3	TMT	16	1.58	563	662	1.18	17

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Job No: CACE/BBMP/STK/QC/2023-24

Date: 12.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.10.2023	12.10.2023	8.118	268.2	11.92
2	05.10.2023	12.10.2023	8.132	276.8	12.30
3	05.10.2023	12.10.2023	8.124	256.3	11.39

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Job No.: CACE/BBMP/STK/QC/2023-24

Date: 02.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.10.2023	02.11.2023	8.132	385.2	17.12
2	05.10.2023	02.11.2023	8.145	376.9	16.75
3	05.10.2023	02.11.2023	8.128	362.8	16.12

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.10.2023	12.10.2023	8.125	285.2	12.68
2	05.10.2023	12.10.2023	8.145	277.9	12.35
3	05.10.2023	12.10.2023	8.138	265.2	11.79

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Date: 02.11.2023

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Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.10.2023	02.11.2023	8.201	388.6	17.27
2	05.10.2023	02.11.2023	8.195	376.9	16.75
3	05.10.2023	02.11.2023	8.152	365.2	16.23

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Date: 12.10.2023

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Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.10.2023	12.10.2023	8.136	265.3	11.79
2	05.10.2023	12.10.2023	8.125	279.6	12.43
3	05.10.2023	12.10.2023	8.118	260.3	11.57

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Date: 02.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.10.2023	02.11.2023	8.145	389.6	17.32
2	05.10.2023	02.11.2023	8.152	366.8	16.30
3	05.10.2023	02.11.2023	8.168	376.2	16.72

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Job No.: CACE/BBMP/STK/QC/2023-24

Date: 16.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.10.2023	16.10.2023	8.154	288.9	12.84
2	09.10.2023	16.10.2023	8.136	276.9	12.31
3	09.10.2023	16.10.2023	8.165	269.2	11.96

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NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/STK/QC/2023-24 Date: 06.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.10.2023	06.11.2023	8.136	278.2	12.36
2	09.10.2023	06.11.2023	8.154	385.6	17.14
3	09.10.2023	06.11.2023	8.148	365.2	16.23

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS
(Building Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/STK/QC/2023-24 Date: 16.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.10.2023	16.10.2023	8.135	266.9	11.86
2	09.10.2023	16.10.2023	8.145	284.2	12.63
3	09.10.2023	16.10.2023	8.128	272.5	12.11

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

CIVIL AIM CONSULTANTS & ENGINEERS

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NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/STK/QC/2023-24 Date: 06.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.10.2023	06.11.2023	8.165	395.6	17.58
2	09.10.2023	06.11.2023	8.125	377.8	16.79
3	09.10.2023	06.11.2023	8.149	382.6	17.00

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
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Job No.: CACE/BBMP/STK/QC/2023-24

Date: 31.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.10.2023	31.10.2023	8.136	275.8	12.26
2	24.10.2023	31.10.2023	8.166	286.9	12.75
3	24.10.2023	31.10.2023	8.148	268.2	11.92

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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Yelahanka Zone
BBMP, Bangalore - 92

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Job No.: CACE/BBMP/STK/QC/2023-24

Date: 21.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.10.2023	21.11.2023	8.168	382.3	16.99
2	24.10.2023	21.11.2023	8.184	369.5	16.42
3	24.10.2023	21.11.2023	8.146	380.4	16.91

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Date: 31.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.10.2023	31.10.2023	8.145	266.2	11.83
2	24.10.2023	31.10.2023	8.135	284.2	12.63
3	24.10.2023	31.10.2023	8.152	276.9	12.31

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Job No.: CACE/BBMP/STK/QC/2023-24

Date: 21.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.10.2023	21.11.2023	8.166	375.5	16.69
2	24.10.2023	21.11.2023	8.158	389.6	17.32
3	24.10.2023	21.11.2023	8.146	362.5	16.11

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Job No.: CACE/BBMP/STK/QC/2023-24 Date: 23.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.10.2023	23.10.2023	8.145	335.2	14.90
2	16.10.2023	23.10.2023	8.128	346.5	15.40
3	16.10.2023	23.10.2023	8.136	352.8	15.68

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Job No.: CACE/BBMP/STK/QC/2023-24 Date: 13.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.10.2023	13.11.2023	8.198	505.2	22.45
2	16.10.2023	13.11.2023	8.165	516.5	22.96
3	16.10.2023	13.11.2023	8.144	489.6	21.76

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.10.2023	23.10.2023	8.158	332.6	14.78
2	16.10.2023	23.10.2023	8.165	344.5	15.31
3	16.10.2023	23.10.2023	8.184	320.5	14.24

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Date: 13.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	: **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.10.2023	13.11.2023	8.184	500.2	22.23
2	16.10.2023	13.11.2023	8.179	513.2	22.81
3	16.10.2023	13.11.2023	8.165	509.3	22.64

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Date: 23.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.10.2023	23.10.2023	8.165	332.3	14.77
2	16.10.2023	23.10.2023	8.125	344.5	15.31
3	16.10.2023	23.10.2023	8.146	356.8	15.86

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Date: 13.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.10.2023	13.11.2023	8.184	500.3	22.24
2	16.10.2023	13.11.2023	8.169	484.6	21.54
3	16.10.2023	13.11.2023	8.152	496.2	22.05

Note:

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Job No.: CACE/BBMP/STK/QC/2023-24 Date: 23.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.10.2023	23.10.2023	8.165	338.5	15.04
2	16.10.2023	23.10.2023	8.150	356.3	15.84
3	16.10.2023	23.10.2023	8.152	326.3	14.50

Note:

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Job No.: CACE/BBMP/STK/QC/2023-24

Date: 13.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.10.2023	13.11.2023	8.147	505.2	22.45
2	16.10.2023	13.11.2023	8.182	514.2	22.85
3	16.10.2023	13.11.2023	8.166	502.3	22.32

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/STK/QC/2023-24 Date: 03.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.10.2023	03.11.2023	8.188	335.2	14.90
2	27.10.2023	03.11.2023	8.159	346.5	15.40
3	27.10.2023	03.11.2023	8.164	358.9	15.95

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Job No.: CACE/BBMP/STK/QC/2023-24 Date: 24.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.10.2023	24.11.2023	8.189	505.2	22.45
2	27.10.2023	24.11.2023	8.156	516.2	22.94
3	27.10.2023	24.11.2023	8.136	489.6	21.76

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Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.10.2023	03.11.2023	8.184	335.2	14.90
2	27.10.2023	03.11.2023	8.156	345.2	15.34
3	27.10.2023	03.11.2023	8.138	326.8	14.52

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Job No.: CACE/BBMP/STK/QC/2023-24 Date: 24.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.10.2023	24.11.2023	8.184	500.2	22.23
2	27.10.2023	24.11.2023	8.205	484.6	21.54
3	27.10.2023	24.11.2023	8.189	515.2	22.90

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.10.2023	03.11.2023	8.169	326.3	14.50
2	27.10.2023	03.11.2023	8.184	338.2	15.03
3	27.10.2023	03.11.2023	8.155	345.3	15.35

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Client	: **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	: **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.10.2023	24.11.2023	8.168	512.2	22.76
2	27.10.2023	24.11.2023	8.154	489.6	21.76
3	27.10.2023	24.11.2023	8.145	495.6	22.03

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Job No.: CACE/BBMP/STK/QC/2023-24 Date: 13.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.10.2023	13.10.2023	8.136	386.3	17.17
2	06.10.2023	13.10.2023	8.154	395.2	17.56
3	06.10.2023	13.10.2023	8.148	402.2	17.88

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.10.2023	03.11.2023	8.169	612.2	27.21
2	06.10.2023	03.11.2023	8.154	626.5	27.84
3	06.10.2023	03.11.2023	8.146	609.3	27.08

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Yelahanka Zone
BBMP, Bangalore - 63

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Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
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Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.10.2023	13.10.2023	8.168	395.6	17.58
2	06.10.2023	13.10.2023	8.154	384.6	17.09
3	06.10.2023	13.10.2023	8.179	408.3	18.15

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Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
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Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.10.2023	03.11.2023	8.177	626.3	27.84
2	06.10.2023	03.11.2023	8.165	606.2	26.94
3	06.10.2023	03.11.2023	8.156	598.6	26.60

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Job No.: CACE/BBMP/STK/QC/2023-24 Date: 17.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.10.2023	17.10.2023	8.156	382.3	16.99
2	10.10.2023	17.10.2023	8.169	396.5	17.62
3	10.10.2023	17.10.2023	8.184	408.2	18.14

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Job No.: CACE/BBMP/STK/QC/2023-24 Date: 07.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	**: Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.10.2023	07.11.2023	8.189	616.3	27.39
2	10.10.2023	07.11.2023	8.205	624.2	27.74
3	10.10.2023	07.11.2023	8.216	606.9	26.97

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Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.10.2023	17.10.2023	8.187	418.3	18.59
2	10.10.2023	17.10.2023	8.176	399.6	17.76
3	10.10.2023	17.10.2023	8.206	408.2	18.14

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Client	: **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	: **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of the work	: Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.10.2023	07.11.2023	8.136	620.3	27.57
2	10.10.2023	07.11.2023	8.168	609.3	27.08
3	10.10.2023	07.11.2023	8.177	611.2	27.16

Note:

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

Asst. Executive Engineer
Project Division
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BBMP, Bangalore - 92

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
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(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/STK/QC/2023-24

Date: 17.10.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** *Project Division Yelahanka, BBMP, Bangalore.*

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : *Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.*

Sample ID : *Cement Concrete*

Size of cubes : *150mmx150mmx150mm*

Cross Sectional Area : *22500 mm^2*

Technical Reference : *IS: 516-1959 (Reaffirmed 2008)*

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.10.2023	17.10.2023	8.184	411.2	18.28
2	10.10.2023	17.10.2023	8.156	419.3	18.64
3	10.10.2023	17.10.2023	8.168	405.3	18.01

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Job No.: CACE/BBMP/STK/QC/2023-24

Date: 07.11.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of the work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	10.10.2023	07.11.2023	8.196	610.2	27.12
2	10.10.2023	07.11.2023	8.146	616.8	27.41
3	10.10.2023	07.11.2023	8.205	626.3	27.84

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Ref. No.: CACE/BBMP/STK/QC/2023-24 Date: 23.10.2023

KERB STONE (CORE) TEST REPORT

Client	:	**Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.
Agency	:	**Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.
Name of Work	:	Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	23.10.2023
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	73.00	0.335	2337.18	1.46	0.942	32.80	16.70	18.04	16.99	21.24
2	50.00	75.00	0.352	2390.30	1.50	0.946	33.60	17.11	18.48	17.48	21.85
3	50.00	74.00	0.344	2367.54	1.48	0.944	35.20	17.93	19.36	18.27	22.84

Note:

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3. Any Query regarding the report must be reported reported within 30days from the date of testing.

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Job No.: CACE/BBMP/STK/QC/2023-24 20.11.2023

TEST REPORT ON STRAINLESTT STEEL PIPE

Client : **Assistant Executive Engineer,** Project Division Yelahanka, BBMP, Bangalore.

Agency : **Sri. Shankarappa T K (MESPC Infra Projects Private Limited),** Bangalore.

Name of work : Providing Sculptures Murals at Parks, Lakes, and Junctions in Yelahanka Assembly Constituency, BBMP, Bangalore.

Specimen Size : 50mm Dia

PHYSICAL TEST

Sl.No	Description	Result
1	Thickness	1.30 mm
2	Inner Diameter	50.15 mm
3	Outer Diameter	52.65 mm
4	Weight / Meter	2.542 Kg

Note:

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2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

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